IN THE SPECIFICATION

Brief Description of the Drawings

In the Brief Description of the Drawings at page 20, lines 4 and 5, please make the following amendments.

~~Figure 1 a to 1e illustrates the various parts of the first stage of a process according to the present invention;~~

Figure 1a illustrates a first part of a first stage of a process according to the present invention;

Figure 1b illustrates a second part of a first stage of a process according to the present invention;

Figure 1c illustrates a third part of a first stage of a process according to the present invention;

Figure 1d illustrates a fourth part of a first stage of a process according to the present invention;

Figure 1e illustrates a fifth part of a first stage of a process according to the present invention;

Please make the following amendments at page 20, lines 9 and 10.

~~Figure 3a to 3e illustrates the various parts of the second stage of a process according to the present invention~~;

Figure 3a illustrates a first part of a second stage of a process according to the present invention;

Figure 3b illustrates a second part of a second stage of a process according to the present invention;

Figure 3c illustrates a third part of a second stage of a process according to the present invention;

Figure 3d illustrates a fourth part of a second stage of a process according to the present invention;

Figure 3e illustrates a fifth part of a second stage of a process according to the present invention;

Please make the following amendment at page 20, line 21.

Figure 7b illustrates the sequence [SEQ ID NO:24] of the structure of Figure 7a.

Please make the following amendments at page 20, lines 26 and 27.

~~Figures 8a to 8f illustrate an alternative amplification process according to the present invention;~~

Figure 8a illustrates a first part of a first stage of an amplification process according an alternative embodiment of the present invention;

Figure 8b illustrates a second part of a first stage of an amplification process according an alternative embodiment of the present invention;

Figure 8c illustrates a third part of a first stage of an amplification process according an alternative embodiment of the present invention;

Figure 8d illustrates a fourth part of a first stage of an amplification process according an alternative embodiment of the present invention;

Figure 8e illustrates a first part of a second stage of an amplification process according an alternative embodiment of the present invention;

Figure 8f illustrates a second part of a second stage of an amplification process according an alternative embodiment of the present invention;

Please make the following amendments at page 20, lines 28 and 29.

~~Figures 9a to 9d illustrate a micro-fabricated array investigation technique for amplifying products according to the present invention, based on genetic bit analysis;~~

Figure 9a illustrates a first part of a third stage of a process according an alternative embodiment of the present invention, using a microfabricated array investigation technique, based on genetic bit analysis;

Figure 9b illustrates a second part of a third stage of a process according an alternative embodiment of the present invention, using a microfabricated array investigation technique, based on genetic bit analysis;

Figure 9c illustrates a third part of a third stage of a process according an alternative embodiment of the present invention, using a microfabricated array investigation technique, based on genetic bit analysis;

Figure 9d illustrates a fourth part of a third stage of a process according an alternative embodiment of the present invention, using a microfabricated array investigation technique, based on genetic bit analysis;

Please make the following amendments at page 20, lines 30 and 31.

~~Figures 10a to 10e illustrate a micro-fabricated array investigation for the amplified products of the present invention based on a ligation technique;~~

Figure 10a illustrates a first part of a third stage of a process according to a further alternative embodiment of the present invention, using a microfabricated array investigation technique, based on ligation technique;

Figure 10b illustrates a second part of a third stage of a process according to a further alternative embodiment of the present invention, using a microfabricated array investigation technique, based on ligation technique;

Figure 10c illustrates a third part of a third stage of a process according to a further alternative embodiment of the present invention, using a microfabricated array investigation technique, based on ligation technique;

Figure 10d illustrates a fourth part of a third stage of a process according to a further alternative embodiment of the present invention, using a microfabricated array investigation technique, based on ligation technique;

Figure 10e illustrates a fifth part of a third stage of a process according to a further alternative embodiment of the present invention, using a microfabricated array investigation technique, based on ligation technique;

Please make the following amendments at page 21, lines 4 and 5.

~~Figures 12a to 12e illustrate various features of a hybridisation based investigation of the amplification result where the amplified strand is tethered to a glass slide;~~

Figure 12a illustrates a first part of a third stage of a process according to a yet further alternative embodiment of the present invention, featuring a hybridisation based investigation of the amplification result where the amplified strand is tethered to a glass slide;

Figure 12b illustrates a first part of a third stage of a process according to a yet further alternative embodiment of the present invention, featuring a hybridisation based investigation of the amplification result where the amplified strand is tethered to a glass slide;

Figure 12c illustrates a first part of a third stage of a process according to a yet further alternative embodiment of the present invention, featuring a hybridisation based investigation of the amplification result where the amplified strand is tethered to a glass slide;

Figure 12d illustrates a first part of a third stage of a process according to a yet further alternative embodiment of the present invention, featuring a hybridisation based investigation of the amplification result where the amplified strand is tethered to a glass slide;

Figure 12e illustrates a first part of a third stage of a process according to a yet further alternative embodiment of the present invention, featuring a hybridisation based investigation of the amplification result where the amplified strand is tethered to a glass slide;

Please make the following amendments at page 21, lines 5 and 6.

~~Figures 13a and 13b illustrate a further way of investigating the results by hybridising the amplified products with oligonucleotides tethered to glass slides;~~

Figure 13a illustrates a first part of a third stage of a process according to another alternative embodiment of the present invention, featuring a hybridisation based investigation of the amplification result using oligonucleotides, where the amplified strand is tethered to a glass slide;

Figure 13b illustrates a second part of a third stage of a process according to another alternative embodiment of the present invention, featuring a hybridisation based investigation of the amplification result using oligonucleotides, where the amplified strand is tethered to a glass slide;

Please make the following amendments at page 22, lines 18 through 24.

Figure 24 is an illustration of experimental results with amplification at different annealing temperatures illustrating extensive primer ~~dimmer~~ dimer formation at 70°C and 72°C, diminished by the primer ~~primmer~~ dimer formation at 74°C and substantially no primer ~~dimmer~~ dimer formation at 76°C;

Figure 25a illustrates primers susceptible to primer ~~dimmer~~ dimer formation;

Figure 25b illustrates two primers for which a primer ~~dimmer~~ dimer formation cannot occur;